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ISO9001:2000/ISO13485:2003 & IVD GMP CERTIFIED

SPECIFICATION SHEET

PRODUCT:	Duck IgY(Δ Fc)—Fab' to Cobra venom —affinity purify
CATALOG NUMBER	D2002-3D
HOST ANIMAL	Duck
DESCRIPTION:	IgY (Δ Fc) to cobra venom is developed in duck by using <i>N. naja atra</i> venom as immunogen. Affinity purified IgY (Δ Fc) is purified by cobra venom coupling chromatography. Fab' is performed by enzyme digestion. The product is supplied as a solution in 10mM phosphate buffer, 0.14M sodium chloride, pH 7.0, containing 0.005% Thimerosal as a preservative.
IMMUNOGEN:	Snake Venom of <i>N. naja atra</i>
CONCENTRATION:	≥ 1 mg/ml, determined by absorbance at 280 nm and using 1.35 as the extinction coefficient
PURITY:	Determined by SDS-PAGE (blue stain) , showing that the Fab' constitute was $\geq 95\%$ of total protein.
STORAGE:	For continuous use, store at 0~5°C. For extended storage: -20°C. Repeating freezing and thawing is not recommended.
SPECIFICITY:	This antibody specifically recognized cobra venom in western blot analysis; cross-reactivity to other snake venom has not yet been tested.
TITER:	ELISA titer : $\geq 2000x$ ELISA titer is defined as the dilution of antibody (1mg/ml) sufficient to give a change in absorbance of 1.0 at 450nm. Optimal working dilutions should be determined experimentally by the investigator. Prepare working dilution immediately before use. Neutralization titer : ≥ 8.0 (units/mg antibody) The antibody was recognized as 1 unit while 1x minimal lethal dose/13g ICR mouse of venom was neutralized by this antibody.
APPLICATIONS:	Good to be used in immunoassay method e.g. ELISA, Western Blot assay, Neutralization testing <i>et al.</i>
RELATIVE PRODUCTS:	Duck IgY(Δ Fc) to Cobra venom (D2002-2B) Duck IgY(Δ Fc) to Cobra venom—affinity purify (D2002-2D) Bivalent antivenin for Duck IgY(Δ Fc) antibody to Cobra and Krait venom (D2004-2B)

For *in vitro* research and manufacturing of diagnostic only.